



AQUAVOLTA®

H₂-TURBO 3.0

Hydrogen-Booster
7th Generation

MANUAL

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2 – Aquavolta® H₂ TURBO 3.0

The 7th generation of Hydrogen-Boosters



Hydrogen gas, H₂, has been recognized by medical research as the "gas of life" only in the 21st century. When drunk, dissolved in water, this can produce antioxidant, anti-inflammatory and anti-apoptotic effects. In recent years, a mitohormetic effect has also come into focus, with benefits similar to athletic training.

When this began to be understood, an industry first developed that pressed hydrogen-rich water at high pressure into aluminum cans or bags, where the H₂ content could be preserved for several months. This is not only very expensive, but also causes major waste problems.

- Bubble tablets were also developed that could produce hydrogen-rich water. However, they are relatively expensive in the long run and have an acidic aftertaste.
- European consumers in particular therefore gave preference to a do-it-yourself solution, for which Karl Heinz Asenbaum coined the term "hydrogen booster" in his book "Electro-activated Water", published in 7 languages.
- The basis of the do-it-yourself solutions is always the electrolysis of water. Thus, stationary water ionizers work with diaphragm electrolysis, while mobile electrolysis devices work with a so-called PEM cell, in which the electrolysis gases H₂ and O₂ are cleanly separated and only the hydrogen accumulates in the water. In addition, boosters such as the Aquavolta® H₂-Turbo use pressure systems to dissolve as much H₂ as possible in the water. In the 6th booster generation, it has now been possible to keep the gas bubbles so small that the efficiency of the booster has been significantly increased.

3 – Always fresh hydrogen (almost) free water selection

You can use your booster anytime and anywhere thanks to its long-lasting battery.

We have designed the AquaVolta® H2 - Turbo Hydrogen Booster so that you don't have to rely on a single type of water. If you don't trust the tap water you have along the way, **you can add filtered tap water or water from a reverse osmosis (RO) system to your booster.**

You can also fill the BPA-free (download [SGS-Analysis.pdf](#)) PC container with your favorite bottled water. It is even possible to unscrew the PC container and screw on a mineral water bottle with a 30mm thread (plastic bottles only!) directly. An adapter for 28mm standard plastic bottles is also included.

Important: The water must not contain carbon dioxide.

Any drinking water

RO-Water Suitable!

Suitable For bottles!

Bottle Thread Adapter for 28mm Plastic Bottles
The thread directly on the H₂ Turbo 3.0 generator has 30mm

Always fill plastic bottles to the brim

Since bottles do not have pressure equalization holes, this method is always 2nd choice.

Maximum production time:
5 Min. for 250 ml Wasser, so
10 min. for 0,5 Liter.



Please **ONLY** use plastic bottles since these are flexible.



Glass bottles cannot be used for fizzy water, even if indicated that they withstand high pressure.



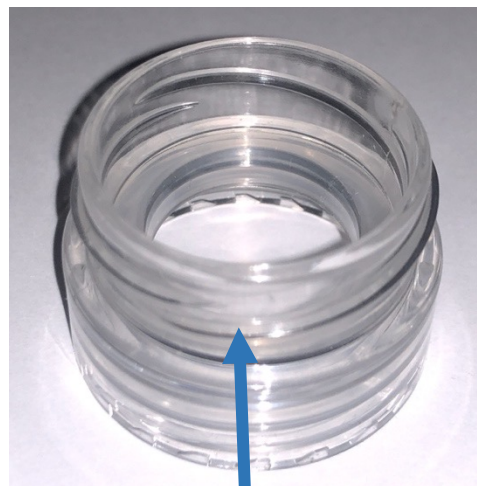
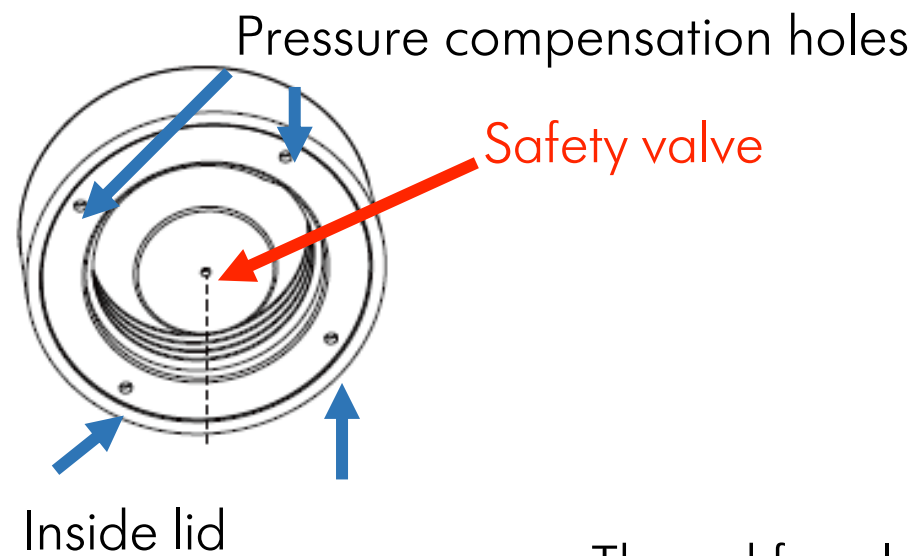
4 – Scope of delivery

1. Replacement container PC
2. Aquavolta Turbo 3.0 Booster
3. Replacement lid
4. Cell protection cap
5. Bottle adapter for 28 mm
6. 2 USB-C charging cables
7. USB Power Supply
8. 14 spare seals



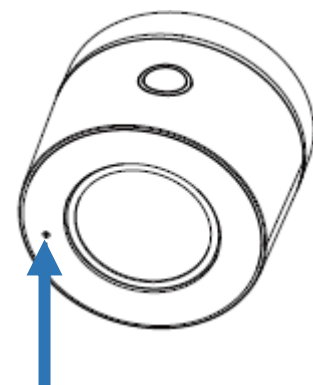
5 – Device description in detail

Do not block pressure compensation holes in the screw cap



Thread for plastic bottles with a diameter of 30 mm

Adapter for plastic bottles with 28 mm thread



H₂ - Generator

Condensation drilling in the H₂ generator. Please do not block. O₂ gas bubbles and water droplets can escape here.



6 – Operational preparation

1. **Construction:** The H₂ Turbo 3.0 booster consists of the H₂ generator, the production vessel and a lid.
2. **Start preparation:** Open the production vessel and unscrew the white cell protective cap. Any residual water that serves to protect the membrane should be disposed of and the container should then be rinsed with clean water.
3. **Long-term storage:** If the device is not used for a week or more, fill the production vessel with up to 1 cm of water to protect the electrolysis cell.
4. **First use:** Before the first start-up, fill the production vessel with water for 30 minutes to soak the electrolysis membrane. Then dispose of the water and the device is ready for use.
5. **Moisture retention of the membrane:** Make sure that the membrane in the generator does not dry out
6. **Water temperature:** The water should never be warmer than 55°C.
7. **Contact with water:** Never completely submerge the device in water.

Daily use and short-term storage

For daily use and shorter breaks in use, please note the following:

Less than a week: If you have a break in use for less than a week, the device can be stored empty and with the lid closed.

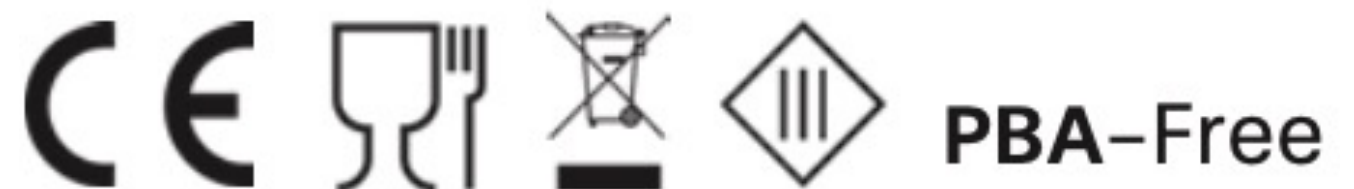
Prepare overnight: Optionally, you can fill the device completely overnight, start the electrolysis and then run the electrolysis again for 5 minutes the next morning before drinking or drink directly.

Longer than 12 hours: If the device has been standing for more than 12 hours but less than a week, it should preferably be stored without water and with the lid closed.

If the membrane dries out, this does not harm its function. It only needs to be re-soaked, similar to the first use, to make the device fully operational again.

7 - General instructions for use

- Do not operate the device unless you have read and understood the operating instructions.
- Before turning on the device, the water reservoir must be filled with water. Otherwise, the PEM electrolysis cell will be damaged and the warranty will expire.
- Do not add water above 55°C.
- Only use the power supply with 220 volts.
- Make sure that children do not have access to the device.
- Never put the device under water. A damp cloth is sufficient for cleaning. Do not use chemical cleaning agents.
- Never drop the device.
- If possible, use cold water (below 30° C)
- Do not expose the device to direct sunlight or temperatures below 0 or above 50 degrees C.
- Do not place the appliance in damp or dirty rooms.
- Do not place the device outdoors
- Do not use the power adapter if it is damaged or the cable has been kinked.
- Do not place heavy or sharp objects on the power cord.
- Do not touch parts connected to the mains with wet fingers.
- Only use water of drinking water quality.
- You must not use carbonated water (sparkling water). The device could explode in the process.
- Do not open the power supply or the base unit, and do not attempt to repair it in the event of a defect. In the event of a defect, disconnect the device from the power supply immediately and contact your dealer.
- Do not dispose of the appliance in household waste.



8 – Preparation for operation and charging

1. Place the appliance on a dry, flat surface.
2. Plug the USB-C connector of the power adapter into the socket. Before using it for the first time, the battery must be fully charged.
3. The LED will turn red.
4. Before the first operation, fill the glass container with water at a maximum temperature of 55° C and let it stand for at least 2 hours to completely moisten the membrane cell. Finally, renew the water again and shake for about a minute.
5. After that, you can pour in the water you want to enrich with hydrogen and drink. Only enough water should be poured in so that the water level does not touch the pressure cover so that water does not penetrate there.
6. At the end of the charging process, the LED lights up permanently green.
7. Remove the plug from the power supply and charging adapter. If possible, the generator should not be operated during the charging process due to battery wear.
8. If the LED starts flashing red during operation, the power supply and charging adapter must be reconnected until the battery is charged.
9. If the power adapter is defective or not within reach, you can also use a standard USB- power adapter, for example for smartphones.
10. The H₂ Turbo Booster can be permanently plugged into a USB power source.



8 – Hydrogen water production

Important: The device must be filled with water before you press the Start button.

- Press the start button for 2 seconds. A beep indicates the start. **Blue light turns on** and you can recognize the hydrogen production by the fine bubbles rising. **This production process takes 5 minutes.**
- If you press the start button again briefly, the **10 min operation LED-light in the generator will shine green.** The switch lights up orange.
- If the light changes to **red** and flashes, you should **recharge** the device. During the charging process, the LED is permanently red until a green light indicates completed charging. You should not produce hydrogen water during the charging process, since it can damage the battery in the long run.
- Each production phase ends automatically. This can be recognized by the LED going out and the bubble formation ceases. If you want to stop a running production, press the start button again for 2 seconds.



Ideal use of the H₂ Turbo Booster with the 275 ml production bottle:

1. Water almost to the brim, NOT TOUCHING THE BRIM, close and start electrolysis.
2. After 5 minutes running time over 3-4 ppm molecular dissolved Hydrogen is expected. In 10-minute mode, over 5 ppm hydrogen concentration can be expected.
3. It can only stay sealed for so long until someone gets thirsty again.
4. After drinking, refill immediately and start the 5 minutes electrolysis again.

10 – Cleaning / Appliance hygiene / Descaling

Regular cleaning is necessary to remove limescale deposits and maintain the optimal bladder performance of the device. Visible traces of limescale or decreasing bladder performance are signs that cleaning is required. Depending on the intervals of use and, above all, the mineral content of the source water used, you should descale the H2 Turbo Booster including the pressure piston approx. every 1 to 3 months.

- Prepare cleaning solution: Dissolve 1 teaspoon of citric acid in water and pour this solution into the tritan container. The filling quantity should reach exactly to the taper of the container, not above. The water should not touch the lid by about 5 mm or more
- Start the cleaning process: Close the screw cap and leave the citric acid solution on for 30 minutes.
- If the bladder performance decreases, you can perform descaling with electrolysis enabled. Start the 5-minute program after adding the citric acid solution and leave the solution on for 30 minutes.
- Rinse thoroughly: Rinse the container with lid and the electrode several times with warm water.
- This cleaning is also required every 4-8 weeks for hygienic reasons.
- Wipe the outside of the device with a damp cloth.
- In the event of cloudiness, scratches or heavy soiling of the production vessel, replace the containers with the replacement containers supplied.
- Store the device at room temperature and not in direct sunlight.

Aquavolta® H ₂ - Turbo 3.0	Technical data
Dimensions	Diameter: 61 mm Height: 237 mm
Weight (empty)	500 g
Total weight	1 kg
Voltage/Power	DC 5V / 2A
Power reserve/battery	2200 mAh/3,7 V, enough for ca. 25 uses (5 Min.) if fully charged
Charging time	ca. 180 minutes
Operating time	ca. 120 minutes (water dependant)
Power supply unit (USB-C)	100-240 V, 50/60 Hz, DC 5V, 2A
Hydrogen output	Depending on: Fill level, water and time approx. 0.6 ppm per min with the 240 ml production container
Water temperature	4 to maximum 55°C
Temperature range	0 to 40°C

11 – Error Check / Service / Warranty / FAQ (Frequently Asked Questions)

If you have any questions about your H₂ Turbo 3.0 booster, we recommend that you first take a look at our extensive FAQ, which contains many common concerns and solutions.

Warranty service is generally the responsibility of your retailer, especially when it comes to commitments that go beyond the two-year statutory warranty. Therefore, please check your proof of purchase (invoice) first, which should include all warranty commitments from your dealer.

If you need further assistance or would like direct service from Aquacentrum, we will be happy to assist you. You can reach us directly via our contact channels for both service inquiries and questions about warranty processing.

We are committed to providing you with advice and assistance to ensure a quick resolution to your concern.

Aquavolta® Generalvertrieb und Servicezentrum:

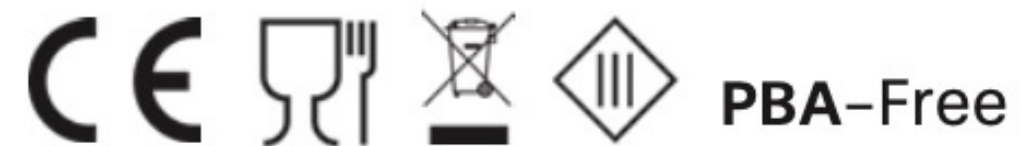
Aquacentrum, Inh. Yasin Akgün, Dipl.-Ing. TU
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AQUAVOLTA®

AQUACENTRUM
WATER. AND BEYOND.

Elektro-Altgeräte-Register: WEEE-Reg.-Nr. DE 93599565



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1. Ideal use of the H2 Turbo Booster with the 275 ml production tube:

- **Fill the water to just below the lid until the start of the thread, after the start of tapering, close it and start electrolysis.**
- After a total running time of 5 minutes, you can expect over 3-4 ppm of molecularly dissolved hydrogen. In 10-minute mode, over 5 ppm hydrogen concentration can be expected.
- The water can sit in the sealed pressure vessel for up to 1 hour before it is consumed.
- Soon after drinking, top up and start the 5-minute electrolysis process again.

12 – FAQ (Frequently Asked Questions)

2. How do I store the H₂ Turbo Booster when not in use?

Daily use and short-term and long-term storage

For daily use and shorter breaks in use, please note the following:

- Less than a week: If you have a break in use for less than a week, the device can be stored empty and with the lid closed.
- Prepare overnight: Optionally, you can fill the device completely overnight, start the electrolysis and then run the electrolysis again for 5 minutes the next morning before drinking or drink directly.

Longer than 14 hours: If the device has been standing for more than 14 hours but less than a week, it should preferably be stored without water and with the lid closed.

If the membrane dries out, this does not harm its function. It only needs to be re-soaked, similar to the first use, to make the device fully operational again.

3. Is the H₂ Turbo Booster suitable for all types of water?

Yes, the H₂ Turbo 3.0 Booster is suitable for all types of water, including tap water, reverse osmosis and distilled water. It is important that the water does not contain carbonic acid, otherwise the overall gas pressure could rise too much.

4. Warum können Elektroden eine weiße Schicht bekommen?

The electrode at the top, which is in contact with the water, can calcify. This reduces their performance. Therefore, depending on use, the device must be descaled with citric acid every 4 -12 weeks.

13 – FAQ (Frequently Asked Questions)

5. What should I do if the booster is leaking?

1. Typical Cause: Leak Verification

- **Locating the leak:** First, determine where the leak occurs. Particular attention should be paid to the connection between the production vessel and the generator.
- **Replacement of the container:** If the leak is detected at this junction, replace the production container immediately with one of the supplied replacement containers.

2. Very Rare Cause: Focused Seal Inspection

- **Targeted inspection:** Do not thoroughly inspect the gasket on the generator unless a leak is detected or you suspect a defect. Since a defect in the seal is very rare, routine replacement is usually not necessary.
- **Targeted replacement:** Replace the gasket only if actual damage is apparent. If there is a defect in the gasket, use the supplied replacement gasket for replacement. Make sure that the new seal is inserted correctly to ensure optimal functionality of the booster

If you have any further problems, contact Aquacentrum: If none of the solutions help, contact the manufacturer directly by e-mail at service@aquacentrum.de or by calling the H₂ Turbo Booster Hotline: +4989416117992

6. Why is there a spare production container included in the package?

Over time, a bottle can get dirty or scratched.

14 – FAQ (Frequently Asked Questions)

7. How and why do I clean the production tank and electrodes of the H₂ Turbo 3.0 Booster in case of limescale deposits?

Regular cleaning is necessary to remove limescale deposits and maintain the optimal bladder performance of the device. Visible traces of limescale or decreasing bladder performance are signs that cleaning is required. Depending on the intervals of use and, above all, the mineral content of the source water used, you should descale the H₂ Turbo Booster including the pressure piston approx. every 1 to 3 months.

- **Prepare cleaning solution:** Dissolve 1 teaspoon of citric acid in water and pour this solution into the production container. The filling quantity should reach exactly to the taper of the container, not above. The water should not touch the lid by about 5 mm or more
- **Start the cleaning process:** Close the screw cap and leave the citric acid solution on for 30 minutes.
- **If the bladder performance decreases,** you can perform descaling with electrolysis enabled. Start the 5-minute Program after adding the citric acid solution and leave the solution on for 30 minutes.
- **Rinse thoroughly:** Rinse the container with lid and the electrode several times with warm water.
- **Fill the container and start the program:** Fill the container to the brim with water, screw the lid on it and perform the 10-minute program. During this process, water droplets will leak from the lid, which will flush the safety valve in the lid.

15 – FAQ (Frequently Asked Questions)

9. Why is the LED on the H₂ Turbo Booster not lit?

1. **Checking the battery:** Check that the booster's battery is fully charged. When the battery runs out, connect the booster with the included USB-C cable to charge it. Wait for charging to finish, then check again to see if the LED is on.

2. **Checking the charging accessories:** Investigate whether there may be a defect in the charging cable or power supply. Test charging with a different USB-C cable and power adapter to see if that resolves the problem.

Note: Avoid using fast-charging power adapters or fast-charging USB-C cables, as they may be incompatible with the booster and affect functionality.

Final step: If the LED is still not lit after checking the battery and charging accessories, there could be a deeper technical problem. For further assistance, contact customer service at service@aquacentrum.de or use the Turbo hotline: +4989416117992



10. Can the H₂ generator be used with larger bottles?

Yes, but there are specific instructions for this. To use the booster with a plastic bottle (**note: glass bottles are not allowed due to possible uncontrolled pressure build-up**), follow these steps:

1. Screw the included 28 mm adapter onto the bottle.
2. Fill the bottle to the brim with water.
3. Screw the booster onto the bottle as a "lid" and place it on the H2 Turbo 3.0 booster, as shown on the right.
4. Let the device run for about 10-15 minutes per half liter of water. Make sure that no excessive pressure builds up. Feel the pressure regularly to make sure it's comparable to the pressure in a bicycle tire.
5. More efficient and easier is the use of the supplied 275 ml pressure plunger with pressure relief valve.





Please note the serial number here for
service queries.
You will find this on the underside of your
H₂ generator.

Your Serial Number:

Exploded view of the electrolysis cell (PEM)

